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Application No.	Applicant(s)	
10/699,219	KO ET AL.	
Examiner	Art Unit	
Siu M. Lee	2611	

Notice of Allowability	Examiner	Art Unit		
	Siu M. Lee	2611		
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS	
1. This communication is responsive to <u>amendment filed on 7</u>	<u>7/5/2007</u> .			
2. The allowed claim(s) is/are <u>1-6 and 8-34</u> .				
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	e been received. e been received in Application No		tion from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			OTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(c	ngs in the front (not the	back) of	
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application		
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. X Interview Summary	(PTO-413),		
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Paper No./Mail Dat 7. ⊠ Examiner's Amendn	e nent/Comment		
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	wance	
of Biological Material	9.	9.		

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael J. Fogarty, III on 9/10/2007.

(1) Regarding claim 26:

Insert the paragraph ---regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups;--- after the paragraph "adjusts the DLLs for the remaining signals so that the signals are greater than the specified threshold apart;".

(2) Regarding claim 30:

Insert the paragraph ---regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups;--- after the paragraph "adjusts the DLLs for the remaining signals so that the signals are greater than the specified threshold apart;".

Allowable Subject Matter

2. Claims 1-6 and 8-34 are allowed.

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3. The following is an examiner's statement of reasons for allowance:

The present inventions described the method for code tracking in multipath with a plurality of paths using delay lock loops comprising assigning a DLL to each path in the multipath; adjusting each DLL to maximize a strength of sample in each path; placing paths having samples less than a first specified distance threshold apart into groups; adjusting the DLL assigned to each path in the groups so that samples from paths in the group are greater than the first specified distance threshold apart, wherein adjusting the DLL comprises fixing a location for a path having samples with a largest magnitude in the group and adjusting the DLLs of other paths so that the samples of the other paths are greater than the first specified distance threshold apart; regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups. The closest prior art, Smolyar et al. discloses a similar method but fail to discloses the step of regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups. This distinct limitation has been added to independent claims 1, 26, and 30 thus rendering them allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Siu M. Lee whose telephone number is (571) 270-1083. The examiner can normally be reached on Mon-Fri, 7:30-4:00 with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Siu M Lee Examiner Art Unit 2611 9/10/2007

> CHIEH M. FAN SUPERVISORY PATENT EXAMINER